

May 11, 2012

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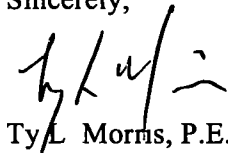
Mr Jason Gunter
Remedial Project Manager
U.S. Environmental Protection Agency
Region 7 - Superfund Branch
901 North 5th Street
Kansas City, KS 66101

Re: The Doe Run Company – Federal Mine Tailings Site Monthly Progress Report

Dear Mr Gunter:

As required by Article XVII, Paragraph 73 of the Administrative Order on Consent (Docket No.VII-97-F-0009) for the referenced project and on behalf of The Doe Run Company, the progress report for the period March 1, 2012 through March 31, 2012 is enclosed. If you have any questions or comments, please call me at 573-638-5020 or Mark Nations at 573-518-0800.

Sincerely,



Ty L Morris, P.E., R.G.
Vice President

TLM/jms

Enclosure

c: Mark Nations – TDRC
Matt Wohl – TDRC (electronic only)
Martin Kator – MDNR - DSP
Kathy Rangen – MDNR - HWP
Adam Nanney – Barr Engineering

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Superfund

Federal Mine Tailings Site
Park Hills, Missouri
Monthly Progress Report
Period: March 1, 2012 – March 31, 2012

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1. Actions Performed or Completed This Period:

- a. Work continued on the task of stockpiling rock onsite. This work is focused on stockpiling trail rock, Type 1 riprap, and Type 2 riprap. These rock types are being stockpiled in two different areas. The trail rock is being stockpiled inside the fence in the Former Mill Area just to the south of the Primary Crusher / Head Frame. The other types of rock are being stockpiled in the northern portion of the Borrow Area. As of the end of the period, work on this task just began on to develop a stockpile of Type 1 riprap and Type 2 riprap. In addition, this work had stockpiled a majority of the trail rock that will be to complete removal action activities in the Former Mill Area.
- b. Work in the ORV Riding Area continues to be on hold while Doe Run and MDNR-DSP discuss what additional measures need to be taken to secure the working areas. These discussions and the subsequent actions to secure the working areas are likely to take a majority of the next period or two to complete. It is anticipated that work will not resume in this area until late May or early June.
- c. Work in the Former Mill Area began on the task of constructing the interpretive walk trail through the mill. This work focused on excavating the portion of the trail near the Filter and Dryer Building, which needed to be excavated so that the final surface of the trail in this area does not block surface drainage. Excavation activities occurred from the curve to the east of the Filter and Dryer Building to the east side of the Machine Shop. As of the end of the period, work on this task had been completed.
- d. Work in the Former Mill Area also began on the task of covering portions of the trail with 12 inches of trail rock. This work focused on the portion of the trail from the west side of the Dorr Thickeners to the east side of the Filter and Dryer building, the excavated portion of the trail from the east side of the Filter and Dryer Building to the east side of the Machine Shop, and the spur that runs behind the Machine Shop to the northwest corner of the area. As of the end of the period, work on this task had placed the layer of trail rock. However, some grading activities still need to be completed.
- e. Earlier in the year, EPA requested that air monitors, in addition to the monitor identified in the RAWP, be placed around the site. Doe Run and MDNR-DSP are in the process of determining how that issue will be addressed. It is anticipated that a resolution will be determined in during the next MDNR-DSP progress meeting.

2. Data and Results Received This Period:

- a. Included with this progress report are a table and two charts. These documents show the data for the MDNR-DSP air monitor located near the ORV Riding Area from January 2010 through January 2012. This information is being provided to EPA in this report as a courtesy to MDNR-DSP. Neither The Doe Run Company nor Barr Engineering were involved with siting this monitor, collecting the samples, processing the samples, evaluating the data, or verifying the accuracy of the data.

3. Planned Activities for Next Period:

- a. Work in the ORV Riding Area will continue to be on hold until additional measures to secure the working areas in the ORV Riding Area have been taken.
- b. Work will continue on the task of stockpiling trail rock, Type 1 riprap, and Type 2 riprap for use at the site.
- c. Work will continue on the task of excavating and covering the walking trail in the Former Mill Area.

- d. Work will be resumed on the Former Chat Pile Area. This work will focus on constructing the drainage channel that runs through this area.
- e. A plan for proceeding with placing additional air monitors around the site will be developed.
- f. The next MDNR-DSP progress meeting is planned for April 2, 2012

4. Changes in Personnel:

- a. None.

5. Issues or Problems Encountered and the Resolution:

- a. None.

End of Monthly Progress Report

St. Joe State Park Lead, January 2010 through January 2012, ug/m3

Note: values of 0.007 (or of 0.004 starting July 2011) are generally nondetects

Note: blank cells indicate no valid sample, or insufficient data to calculate an average

Monthly Average Lead Concentrations, 2010-2011, ug/m3

	SJSP
January	0.015
February	0.009
March	0.008
April	0.021
May	0.054
June	0.033
July	0.037
August	0.033
September	0.011
October	0.052
November	0.021
December	0.032
January	0.011
February	0.007
March	
April	0.007
May	0.007
June	0.015
July	0.028
August	0.030
September	0.364
October	
November	
December	0.011
January	0.023

3-Month Rolling Average Lead Concentrations, 2010-2011, ug/m3

Jan-Mar	0.011	0.15
Feb-Apr	0.012	0.15
Mar-May	0.027	0.15
Apr-Jun	0.036	0.15
May-Jul	0.041	0.15
Jun-Aug	0.034	0.15
Jul-Sep	0.027	0.15
Aug-Oct	0.032	0.15
Sep-Nov	0.028	0.15
Oct-Dec	0.035	0.15
Nov-Jan	0.021	0.15
Dec-Feb	0.017	0.15
Jan-Mar		0.15
Feb-Apr		0.15
Mar-May		0.15
Apr-Jun	0.010	0.15
May-Jul	0.017	0.15
Jun-Aug	0.024	0.15
Jul-Sep	0.141	0.15
Aug-Oct		0.15
Sep-Nov		0.15
Oct-Dec		0.15
Nov-Jan		0.15

St. Joe State Park Lead, January 2010 through January 2012, ug/m3

Note: values of 0.007 (or of 0.004 starting July 2011) are generally nondetects

Note: blank cells indicate no valid sample, or insufficient data to calculate an average

Daily Average Lead Concentrations, ug/m3

	SJSP
1/2/10	0.052
1/5/10	0.019
1/8/10	0.008
1/11/10	0.007
1/14/10	0.007
1/17/10	0.007
1/20/10	0.007
1/23/10	0.007
1/26/10	0.029
1/29/10	0.007
2/1/10	0.007
2/4/10	0.007
2/7/10	0.015
2/10/10	
2/13/10	
2/16/10	
2/19/10	0.007
2/22/10	
2/25/10	
2/28/10	
3/3/10	0.011
3/6/10	
3/9/10	0.007
3/12/10	
3/15/10	0.007
3/18/10	
3/21/10	0.007
3/24/10	
3/27/10	0.007
3/30/10	
4/2/10	
4/5/10	0.007
4/8/10	0.018
4/11/10	
4/14/10	
4/17/10	
4/20/10	0.050
4/23/10	
4/26/10	0.007
4/29/10	
5/2/10	0.011
5/5/10	0.014
5/8/10	0.260
5/11/10	
5/14/10	0.025
5/17/10	0.007
5/20/10	0.007
5/23/10	0.049
5/26/10	0.056
5/29/10	
6/1/10	
6/4/10	0.011
6/7/10	0.028
6/10/10	0.010

St. Joe State Park Lead, January 2010 through January 2012, ug/m3

Note: values of 0.007 (or of 0.004 starting July 2011) are generally nondetects

Note: blank cells indicate no valid sample, or insufficient data to calculate an average

Daily Average Lead Concentrations, ug/m3

	SJSP
6/13/10	
6/16/10	0.059
6/19/10	0.084
6/22/10	0.017
6/25/10	0.021
6/28/10	
7/1/10	0.032
7/4/10	0.052
7/7/10	0.028
7/10/10	0.108
7/13/10	0.011
7/16/10	0.024
7/19/10	0.007
7/22/10	
7/25/10	
7/28/10	
7/31/10	0.031
8/3/10	0.017
8/6/10	0.035
8/9/10	0.017
8/12/10	0.024
8/15/10	0.104
8/18/10	0.042
8/21/10	0.021
8/24/10	
8/27/10	0.032
8/30/10	0.007
9/2/10	0.007
9/5/10	
9/8/10	0.011
9/11/10	
9/14/10	
9/17/10	0.007
9/20/10	
9/23/10	0.007
9/26/10	0.018
9/29/10	0.014
10/2/10	0.075
10/5/10	0.022
10/8/10	0.021
10/11/10	0.049
10/14/10	0.014
10/17/10	0.188
10/20/10	
10/23/10	
10/26/10	0.014
10/29/10	0.032
11/1/10	0.018
11/4/10	
11/7/10	0.014
11/10/10	0.011
11/13/10	0.039
11/16/10	0.061
11/19/10	0.007
11/22/10	0.007

St. Joe State Park Lead, January 2010 through January 2012, ug/m3

Note: values of 0.007 (or of 0.004 starting July 2011) are generally nondetects

Note: blank cells indicate no valid sample, or insufficient data to calculate an average

Daily Average Lead Concentrations, ug/m3

	SJSP
11/25/10	
11/28/10	0.007
12/1/10	0.015
12/4/10	0.029
12/7/10	
12/10/10	0.043
12/13/10	
12/16/10	
12/19/10	
12/22/10	0.059
12/25/10	
12/28/10	0.015
12/31/10	
1/3/11	
1/6/11	
1/9/11	
1/12/11	0.007
1/15/11	0.015
1/18/11	
1/21/11	
1/24/11	
1/27/11	
1/30/11	
2/2/11	
2/5/11	
2/8/11	0.007
2/11/11	
2/14/11	0.007
2/17/11	
2/20/11	
2/23/11	
2/26/11	
3/1/11	
3/4/11	
3/7/11	
3/10/11	
3/13/11	
3/16/11	
3/19/11	
3/22/11	
3/25/11	
3/28/11	
3/31/11	
4/3/11	
4/6/11	
4/9/11	
4/12/11	
4/15/11	0.007
4/18/11	
4/21/11	0.007
4/24/11	
4/27/11	0.007
4/30/11	
5/3/11	0.008
5/6/11	

St. Joe State Park Lead, January 2010 through January 2012, ug/m3

Note: values of 0.007 (or of 0.004 starting July 2011) are generally nondetects

Note: blank cells indicate no valid sample, or insufficient data to calculate an average

Daily Average Lead Concentrations, ug/m3

	SJSP
5/9/11	0.007
5/12/11	
5/15/11	0.007
5/18/11	
5/21/11	0.007
5/24/11	
5/27/11	0.007
5/30/11	
6/2/11	0.012
6/5/11	
6/8/11	0.023
6/11/11	
6/14/11	0.017
6/17/11	
6/20/11	0.007
6/23/11	
6/26/11	0.014
6/29/11	
7/2/11	0.053
7/5/11	
7/8/11	0.020
7/11/11	
7/14/11	0.011
7/17/11	
7/20/11	0.038
7/23/11	
7/26/11	0.019
7/29/11	
8/1/11	0.014
8/4/11	
8/7/11	0.047
8/10/11	
8/13/11	0.027
8/16/11	
8/19/11	0.014
8/22/11	
8/25/11	0.054
8/28/11	
8/31/11	0.025
9/3/11	
9/6/11	0.341
9/9/11	
9/12/11	0.039
9/15/11	
9/18/11	
9/21/11	
9/24/11	
9/27/11	
9/30/11	0.712
10/3/11	
10/6/11	0.032
10/9/11	
10/12/11	
10/15/11	
10/18/11	

St. Joe State Park Lead, January 2010 through January 2012, ug/m3

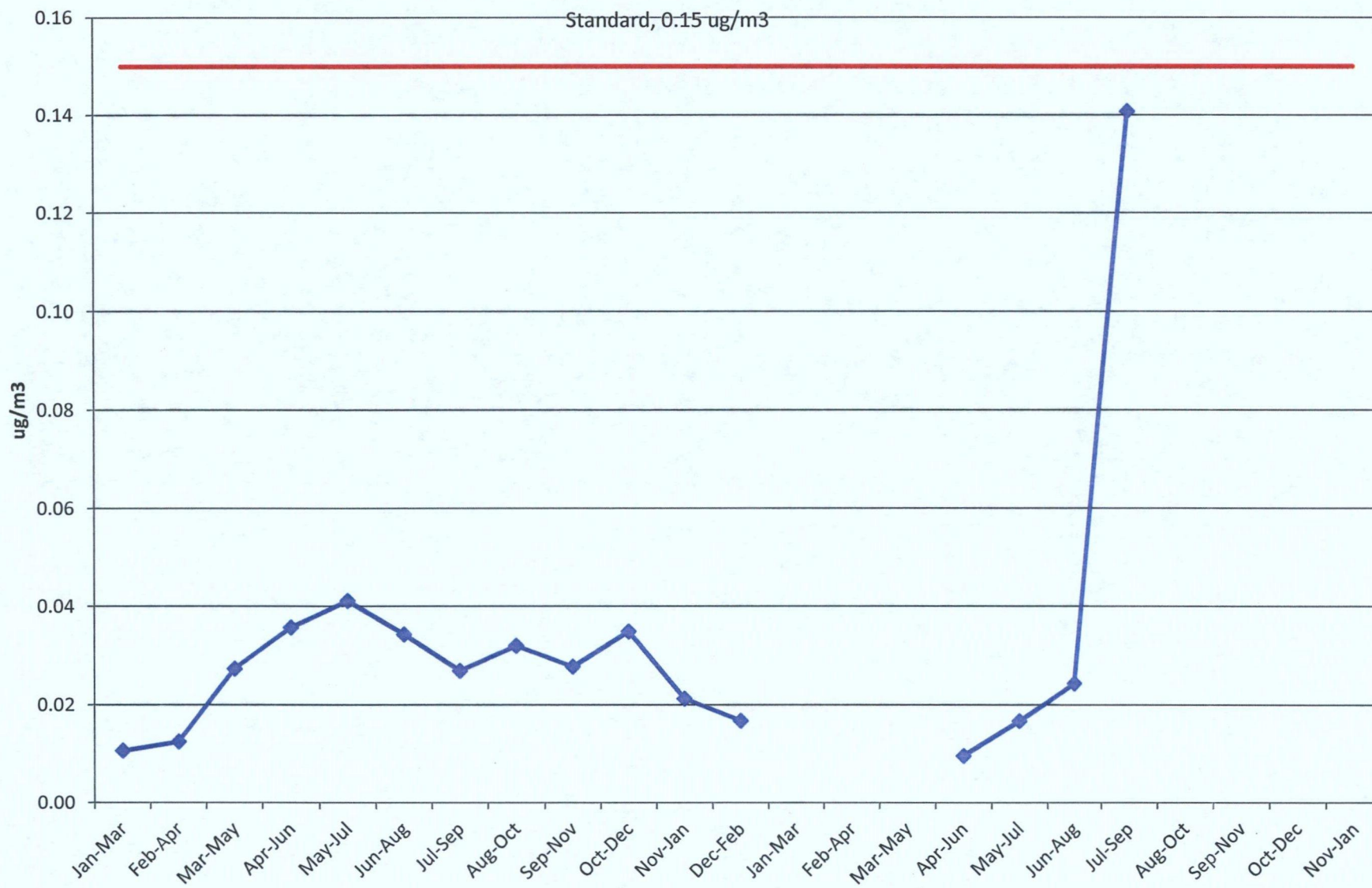
Note: values of 0.007 (or of 0.004 starting July 2011) are generally nondetects

Note: blank cells indicate no valid sample, or insufficient data to calculate an average

Daily Average Lead Concentrations, ug/m3

	SJSP
10/21/11	
10/24/11	0.025
10/27/11	
10/30/11	
11/2/11	
11/5/11	
11/8/11	
11/11/11	
11/14/11	
11/17/11	
11/20/11	
11/23/11	
11/26/11	0.003
11/29/11	0.008
12/2/11	0.012
12/5/11	
12/8/11	0.025
12/11/11	0.007
12/14/11	0.003
12/17/11	0.015
12/20/11	0.009
12/23/11	0.013
12/26/11	0.005
12/29/11	0.012
1/1/12	0.022
1/4/12	0.025
1/7/12	0.073
1/10/12	0.035
1/13/12	0.005
1/16/12	0.008
1/19/12	0.018
1/22/12	0.005
1/25/12	0.003
1/28/12	0.005
1/31/12	0.054

St. Joe State Park 3-Month Rolling Average Lead Concentrations, Jan 2010-Sep 2011



SJSP Daily Average Lead Concentrations, ug/m3

